# Joint Logistics Systems Center

FACT SHEET

# Materiel Management

## Requirements Computation System (RCS)

Developed under the direction of the Joint Logistics Systems Center, Requirements Computation System (RCS) provides significant opportunities for all DoD Components to improve the quality of their requirements computations to more efficiently and effectively accomplish the requirements management function. RCS can provide Item Managers throughout DoD with a standard wholesale secondary item requirements computation capability consisting of statistical tools, forecasting methodologies, supporting relational databases, and standard computation processes.

### FUNCTIONS

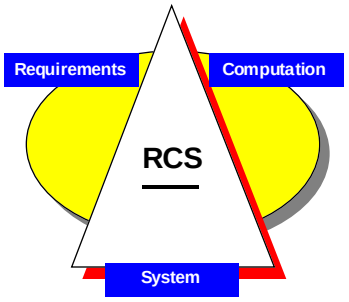
- Increased flexibility for requirements computation.
- Reduction of inapplicable inventories by tailoring computations based on demand patterns.
- Optimized consideration of reorder levels when computing Economic Order Quantities (RCS and EOQ/VSL).
- Ability to re-compute/simulate computations for selected items and groups during the stratification and requirements correction cycles.
- Reduced computation inconsistencies through minimization of the impact or nonrepresentative demand observations on demand forecasts.

### CONTRIBUTING SYSTEMS

RCS represents an integrated capability derived from multiple migration systems from across the DoD. Specifically, those systems which have contributed to RCS are:

- Requirements Determination and Execution System (RD & ES) - Army
- Statistical Demand Forecasting (SDF) and Math Models - Navy
- Automated Inventory Management System (AIMS) - Defense Logistics Agency
- Application Program and Indenture System (API) - Air Force

Functionality from these existing systems will be incorporated into RCS.



Joint Logistics Systems Center

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***Development Contractors***

Computer Sciences Corp.
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## ITEM STUDY LIFE CYCLE

Item Managers will be able to review the item studies on-line, simulate the effects of various changes, recompute based on selected changes, and initiate the required supply actions. Supervisors will have the ability to review recommended actions and item studies and take action accordingly.

## TECHNICAL DATA/SYSTEM ARCHITECTURE

RCS will operate in a three-tiered architecture, with databases on the mainframe and mid-tier configurations and processing capabilities provided by client-server networks to the workstation tier, thus distributing data and processing to the levels which provide for optimal performance.

## BENEFITS

- Increased Productivity
  - Increased Item Manager leverage
  - On-line item study management/prioritization
  - Automated approval processing
  - On-line study review
  - On-line help/policy assistance
  - Real-time study re-computation
- Reduced cost
  - Reduced inventory levels
  - Improved data accuracy
  - Reduced training cost
- Improved technology
  - Relational database
  - Multiple tiered, C/S environment
  - Consistent look and feel with GUI interface
  - On-line reporting architecture
  - On-line audit trail supporting over 350 systems parameters
  - Year 2000 compliance

## SUMMARY

This system represents a joint development effort involving functional user representatives from DoD as well as system professionals from the development contractor. The RCS system is based on advanced automation concepts and technologies, designed with user participation to ensure the final product meets the customer needs. This system and software documentation are available upon customer request.

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